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APR 1 1968

CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,
and
IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
JAN. 1, 1968

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

D.A. WILLIAMS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C

|||||

Released by

LEE T. MORGAN
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
STATE RECLAMATION ENGINEER
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

|||||

Report prepared by

MORLAN W. NELSON, Snow Survey Supervisor
and

J. ALDEN WILSON, Assistant Snow Survey Supervisor
SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
P.O. BOX 38, BOISE, IDAHO 83707

WATER SUPPLY OUTLOOK

JANUARY 1, 1968

GENERAL SUMMARY

The water supply outlook for Idaho as represented by snow survey measurements, precipitation and soil moisture conditions is for well below normal throughout the entire state excepting the northeastern edges on the border of Montana, and the very southern edge of the state on the Nevada line. In these areas, the snowpack and soil moisture conditions are close to normal or slightly above.

Snow cover is spotted and varies from 41% of normal on the Palouse River to 115% on the Bruneau River in southern Idaho. Snowfall has been very disappointing to date even though there has been short periods of very low temperatures. Early snow cover melted during December in a warm period which partially primed the soil. The combination of soil moisture conditions, snow cover to date, and precipitation indicate a below normal water supply outlook.

On most rivers in the southern half of the state which are used for irrigation, unusually heavy snowfall will have to occur before April 1 to make up for the deficiency. Generally speaking, about one-third of the total snowpack for the year has accumulated by the first of January. This leaves the major snow accumulation period still unknown for 1968.

Reservoir storage is generally above normal although there are two notable exceptions in areas perennially short of water - the Salmon Falls Creek and Inflow to Oakley Reservoir south of Burley.

Valley precipitation during the late summer was near average. Winter precipitation during November and December was well below normal throughout the entire state.

COMPARISON of SNOW COVER

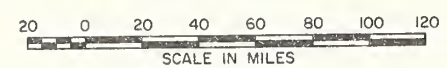
RIVER BASIN WATERSHED	NO.OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1948-62 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Priest River	2	77	77
Spokane River	1	76	67
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	4-5	89	41
Salmon River	3	103	85
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	93	75
Little Wood River	2	76	75
Big Wood River	5	70	74
Boise River	5	59	62
Payette River	5	81	62
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	1	54	52
Salmon Falls Creek	3	75	76
Bruneau River	1-3	77	115
Owyhee River - Idaho	6	--	49
<u>UPPER SNAKE RIVER BASIN</u>			
Upper Snake - Wyoming	14-15	86	74
Henrys Fork River	3	81	81
Teton River	3	98	92

SNOW WATER DEPTHS

As percent of 1948 - 62 15 year average

JANUARY 1, 1968

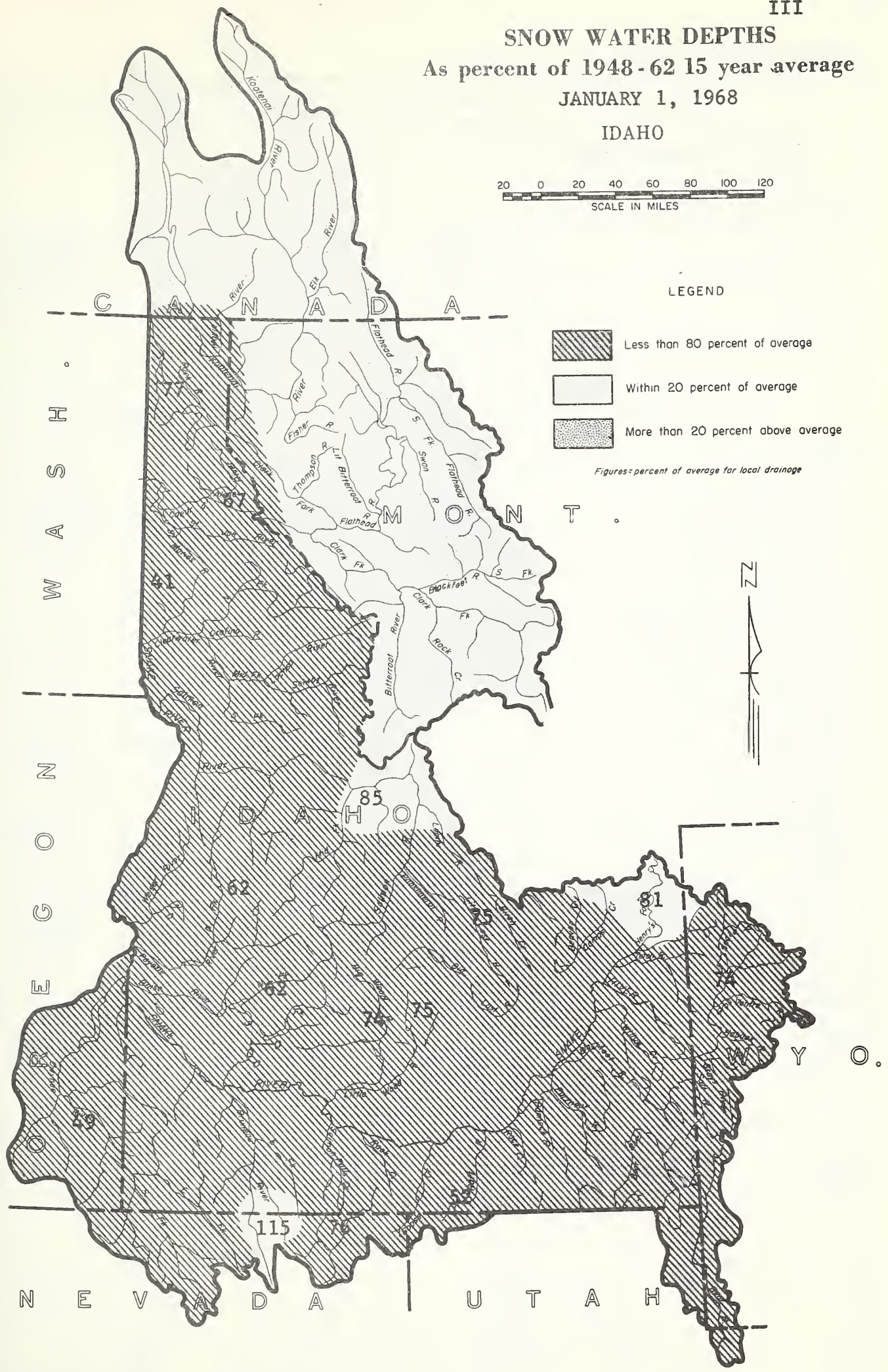
IDAHO



LEGEND

- Less than 80 percent of average
- Within 20 percent of average
- More than 20 percent above average

Figures=percent of average for local drainage



RESERVOIR STORAGE (1,000 Ac. Ft.)

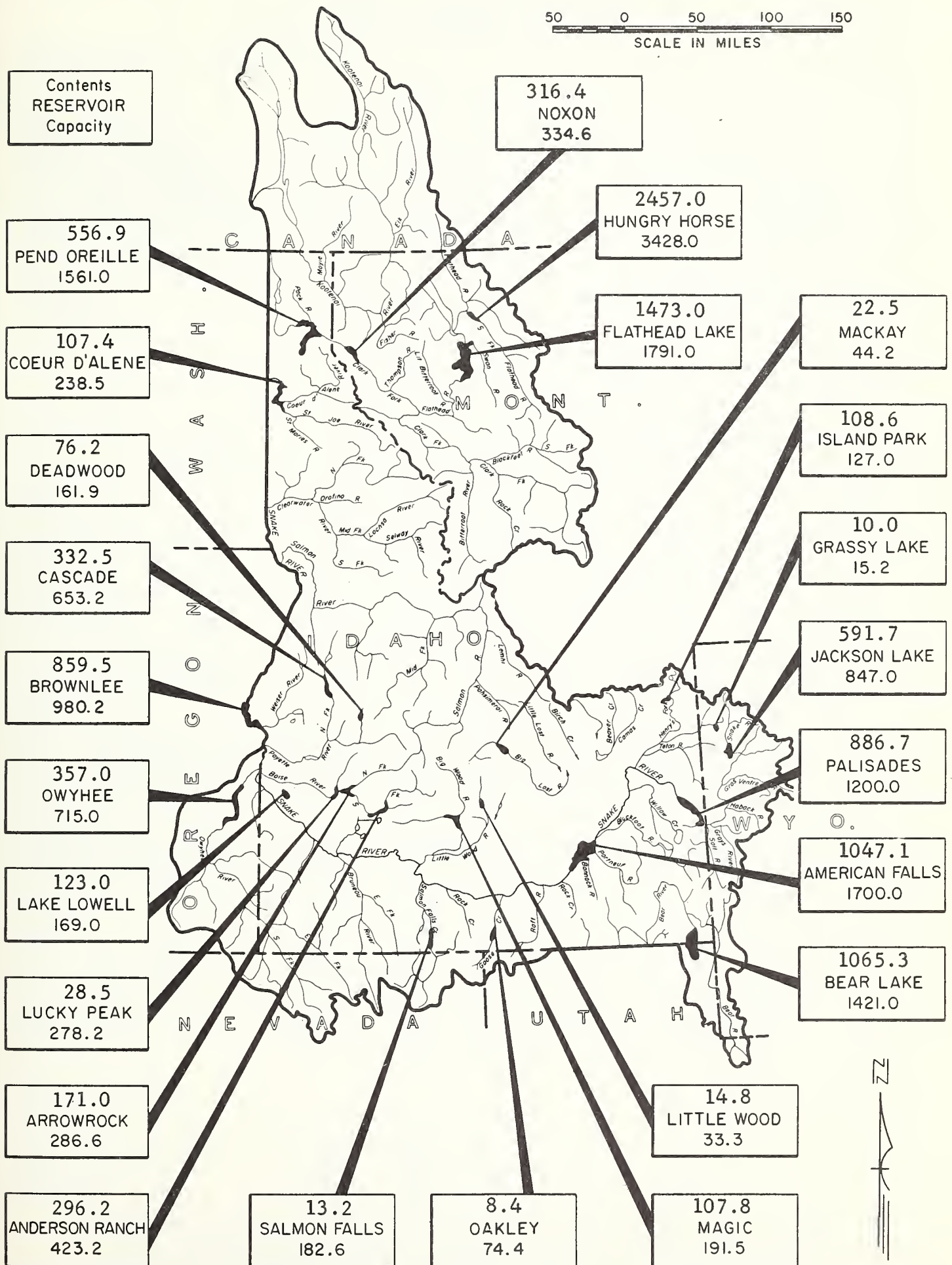
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1948 - 62 AVERAGE
<u>UPPER COLUMBIA BASIN</u>				
<u>Clark Fork - Pend Oreille</u>				
Hungry Horse	3428.0	2457.0	2012.0	2954.5*
Flathead	1791.0	1473.0	1578.0	1297.0
Pend Oreille	1561.0	556.9	543.8	726.5
Noxon	334.6	316.4	311.8	--
<u>Spokane</u>				
Coeur d'Alene	238.5	107.4	193.8	168.1
<u>SNAKE BASIN</u>				
<u>Snake</u>				
Jackson Lake	847.0	591.7	486.5	399.4
Palisades	1200.0	886.7	396.0	484.7*
American Falls	1700.0	1047.1	787.7	1143.0
Island Park	127.0	108.6	47.0	79.3
Grassy Lake	15.2	10.0	7.6	11.3
Brownlee	980.2	859.5	911.5	--
<u>Goose-Trapper Creeks</u>				
Oakley	74.4	8.4	7.7	10.3
<u>Salmon Falls Creek</u>				
Salmon Falls	182.6	13.2	10.8	15.1
<u>Big Lost</u>				
Mackay	44.2	22.5	21.1	25.0
<u>Big Wood</u>				
Magic	191.5	107.8	23.6	90.3
<u>Little Wood</u>				
Little Wood	30.0	14.8	7.2	4.7*
<u>Boise</u>				
Anderson Ranch	423.2	296.2	178.4	178.2
Arrowrock	286.6	171.0	128.4	163.5
Lucky Peak	278.2	28.5	43.7	96.6*
Lake Lowell (Deer Flat)	169.0	123.0	59.8	85.5
<u>Owyhee</u>				
Owyhee	715.0	357.0	292.7	316.5
<u>Payette</u>				
Cascade	653.2	332.5	129.6	200.2*
Deadwood	161.9	76.2	51.1	61.6
<u>GREAT BASIN</u>				
<u>Bear</u>				
Bear Lake	1421.0	1065.3	1048.7	882.4
*Period of record.				

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1968

50 0 50 100 150
SCALE IN MILES



VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Fall		Winter	
	Sept-Oct. 1967		Nov-Dec. 1967	
	Observed	Departure <u>2/</u>	Observed	Departure <u>2/</u>
Kootenai, Canada & U. S.	4.88	+0.42	4.41	-1.57
Flathead	3.67	+0.29	3.17	-1.15
Clark Fork	3.61	+1.84	2.17	+0.15
Pend Oreille-Spokane	5.48	+0.48	7.08	-1.12
Upper Snake	3.01	+0.15	3.41	-0.89
Snake River Plain	1.26	+0.04	1.22	-0.51
Salmon-Payette-Boise	3.39	+0.99	3.05	-1.45
Clearwater	5.39	+1.38	5.60	-0.41
Southeastern Oregon	1.28	-0.06	1.53	-0.62

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meterological Service of Canada and U. S. Weather Bureau.

2/ Departure from 15-year (1948-62) drainage division average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

Benton Meadow	16A2	2344	1/3	12	3.6	2.2	3.4
Benton Spring	16A3	4900	12/30	23	6.2	6.6	9.3
Schweitzer Bowl	16A6	4500	12/29	36	10.7	15.3	--
Schweitzer Ridge	16A5	6100	12/29	49	15.7	23.0	--

SPOKANE RIVER

Fourth of July Summit	16B3	3100	12/29	12	3.1	2.0	--
Lookout	15B2	5250	12/28	45	11.8	15.6	17.6*
Lookout (SP)	5250	12/28	--	--	7.2	--	--

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	16C6	3340	12/30	5	1.2	0.8	2.7*
East Twin	16C3	4050	12/30	7	2.0	1.4	5.4*
Howard Creek	16C5	3450	12/30	0	0.0	0.6	2.2*
Moscow Mountain	16C2	4400	12/30	15	3.7	3.3	7.0*
Upper Moscow Mtn.	16C7	4600	1/4	15	4.8	6.7	--
Upper Moscow Mtn. (SP)	16C7	4600	1/4	--	5.6	--	--
West Twin	16C4	4250	12/30	4	1.1	1.6	4.3*

CLEARWATER RIVER

Above Greer	16C11	1240	12/28	0	0.0	0.0	--
Buck Meadows	15D5	5600	1/3	41	11.2	14.6	--
Coolwater Mountain (R)	15C7	6200	1/5	--	13.3	10.7	--
Greer Summit	16C13	3000	12/28	0	0.0	0.0	--
Hemlock Butte (R)	16C6	5500	1/5	--	18.0	17.7	--
Hemlock Butte (SP)	16C6	5500	1/5	--	16.8	--	--
#Hoodoo Basin Mont.	15C8	6000	1/3	76	21.4	18.3	--
#Hoodoo Basin (SP) Mont.	15C8	6000	12/24	--	17.6	17.5	--
#Hoodoo Creek Mont.	15C1	5900	1/3	71	18.6	16.6	--
Midway	16C12	2200	12/28	0	0.0	0.0	--
Mill Site (SP)	15D18	6700	1/3	--	14.0	--	--
Mountain Meadows	15D6	6300	1/3	49	12.2	10.9	--
Orogrande Mtn. (R)	15D4	7800	1/5	--	24.6	14.0	--
Pierce Rgr. Sta.	15C5	3170	12/28	13	3.0	2.5	5.3*
Savage Pass	14C4	6600	12/28	50	12.4	8.2	--

SALMON RIVER

Big Creek Summit	15E2	6600	12/29	33	8.6	15.3	--
Borah (A)	13E8	8250	1/3	12	2.8	--	--
#Boulder Creek	16D1	5500	12/28	31	9.0	7.2	--

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
Brundage Mountain	16D6	7560	12/27	56	14.9	20.9	--
Chapman Creek	16D2	4215	12/29	5	1.0	0.4	1.8*
#Deadwood Summit (A)	15E4	7000	12/28	51	13.6	25.8	--
Doublespring Pass (A)	13E25	8400	1/3	16	4.2	--	--
#Galena Summit	14F12	8795	12/29	32	7.6	9.8	9.8*
#Gibbons Pass Mont.	13D2	7100	12/26	44	10.7	6.4	10.8*
Johns Creek	16D3	3805	12/29	0	0.0	0.3	1.2*
Keystone (A)	14E6	7700	1/3	18	4.1	--	--
Mill Creek Summit	14E1	8870	12/29	33	8.3	--	--
Moose Creek	13D16	6200	12/28	36	6.2	6.4	--
Morgan Creek	14E4	7580	12/27	23	5.3	5.6	--
#Rock Flat Summit	16E1	5200	12/27	27	5.8	7.2	7.8
Twin Peaks (A)	14E3	10300	1/3	38	9.6	--	--
Whitebird Summit	16D5	4390	12/29	7	1.8	1.6	2.5*

Lemhi River

Above Gilmore	13E19	8200	12/28	12	2.7	--	--
Aspen-Hall Pass	13E21	8110	12/29	16	3.2	--	--
Copes Camp	13E17	7500	12/29	13	2.6	--	--
Gertson Creek (A)	13D17	8050	12/29	28	7.5	1.6	--
Hall Creek	13E20	7560	12/28	10	2.0	--	--
Meadow Lake	13E18	9100	12/28	27	7.2	--	--
Schwartz Lake	13E16	8500	12/29	20	4.8	--	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	12/29	9.2	10.1	5.6
Lookout	5250	48	11.0	12/28	8.3	7.9	8.0
<u>CLEARWATER RIVER</u>							
Brown	3100	30	6.7	12/28	5.6	1.9*	3.7
Fohl	3450	48	13.3	12/28	7.9	9.5	4.4
Midway	2200	36	6.1	12/28	5.2	1.7*	4.1
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	8.4	12/29	6.6	3.4*	5.9*
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	12/28	3.0	1.7*	4.0*
Meadow Lake	9100	48	4.4	12/28	2.1	1.3*	2.8*
* Fall Measurement							

(b) 1948-62, 15 year period. # Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Sta.	13E5	6750	12/27	9	1.6	0.8	2.3*
Lost Garfield	13E3	6600	12/27	7	1.4	0.8	2.0*
Moonshine	13E6	7450	12/27	18	3.8	4.3	5.7*
Sawmill Canyon	13E4	6900	12/27	15	3.8	2.9	4.3*
Swauger Lake (A)	13E9	9050	1/3	6	1.2	--	--
Wet Creek Summit (A)	13E7	7600	1/3	16	3.7	6.6	4.8*

BIG LOST RIVER

#Doublespring Pass (A)	13E25	8400	1/3	16	4.2	--	--
Sage Creek (A)	14E5	7800	1/3	31	7.8	--	--
White Knob	13F1	7700	12/28	16	4.2	3.9	2.7*

LITTLE WOOD RIVER

Garfield Rgr. Sta.	13F4	6554	12/28	15	2.8	3.8	3.9*
Muldoon	13F5	6300	12/28	13	2.2	2.8	2.8*
Porcupine (A)	14F14	8350	12/28	23	4.6	8.5	--
Swede Peak (A)	13F9	7500	12/28	24	4.8	8.2	--

BIG WOOD RIVER

Camas Creeks Div. (A)	15F9	5720	12/28	12	3.0	4.4	--
#Couch Summit (A)	14F10	6950	12/28	19	3.8	6.1	--
Dollarhide Summit (A)	14F8	8620	12/28	36	10.4	12.7	11.0*
Galena	14F1	7300	12/29	22	5.5	7.8	7.9*
Galena Summit	14F12	8795	12/29	32	7.6	9.8	9.8*
Graham Ranch	14F5	6200	12/29	15	3.4	5.8	5.7
Mount Baldy	14F9	9000	12/30	25	5.0	9.6	9.0*
#Porcupine (A)	14F14	8350	12/28	23	4.6	8.5	--

CANYON CREEK

#Camas Creeks Div. (A)	15F9	5720	12/28	12	3.0	4.4	--
#Danskin (A)	15F10	5650	12/28	12	3.0	6.2	--
Little Camas Flat (A)	15F12	4950	12/28	6	1.1	1.8	--
Long Tom (A)	15F13	4550	12/28	2	0.4	0.4	--
#Willow Creek Cabin (A)	15F11	4710	12/28	3	0.5	0.9	--

BOISE RIVER

Atlanta Summit (A)	15F4	7500	12/28	33	9.5	12.8	--
Bad Bear	15F2	5500	12/29	13	3.3	3.2	--
#Bogus Basin	16F2	6120	1/2	19	3.3	7.3	9.4
Bogus Basin Road	16F4	5360	1/2	9	1.6	2.3	1.6*

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b
#Camas Creeks Div. (A)	15F9	5720	12/28	12	3.0	4.4	--
Couch Summit (A)	14F10	6950	12/28	19	3.8	6.1	--
Danskin (A)	15F10	5650	12/28	12	3.0	6.2	--
#Dollarhide Summit (A)	14F8	8620	12/28	36	10.4	12.7	11.0*
Jackson Peak (A)	15E9	7000	12/28	36	10.4	18.0	--
#Little Camas Flat (A)	15F12	4950	12/28	6	1.1	1.8	--
#Long Tom (A)	15F13	4550	12/28	2	0.4	0.4	--
Moore's Creek Summit	15F1	6100	12/29	25	7.2	11.5	13.3
Road Creek (A)	15F3	5550	12/28	13	3.3	4.1	--
Trinity Mountain (A)	15F5	7780	12/28	37	10.7	22.4	17.9*
Willow Creek Cabin (A)	15F11	4710	12/28	3	0.5	0.9	--

PAYETTE RIVER

#Big Creek Summit	15E2	6600	12/29	33	8.6	15.3	--
Bogus Basin	16F2	6120	1/2	19	3.3	7.3	9.4
Bogus Basin (SP)	16F2	6120	1/2	--	5.8	5.5	--
#Brundage Mountain	16D6	7560	12/27	56	14.9	20.9	--
Cozy Cove	15E8	5900	12/27	21	5.1	4.8	6.6*
Crawford Rgr. Sta.	15E3	4800	12/29	10	2.0	2.8	--
Deadwood Airstrip	15E10	5440	12/27	21	5.0	4.1	6.3*
Deadwood Dam	15E7	5290	12/27	20	4.0	5.1	7.2*
Deadwood Summit (A)	15E4	7000	12/28	51	13.6	25.8	--
Greenfield Flat (A)	16E7	7370	12/28	31	8.1	18.3	--
#Jackson Peak (A)	15E9	7000	12/28	36	10.4	18.0	--
#Mica Ridge (A)	16E6	6800	12/28	39	10.2	16.5	--
Rock Flat Summit	16E1	5200	12/27	27	5.8	7.2	7.8
Shafer Butte (SP)	16F7	7480	1/2	--	3.5	--	--
Silver Creek Ridge (A)	15E5	5700	12/28	21	3.7	10.5	--

WEISER RIVER

Boulder Creek	16D1	5500	12/28	31	9.0	7.2	--
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SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>LITTLE WOOD RIVER</u>							
Garfield R. S.	6554	36	5.2	12/28	2.8	3.3	2.8
<u>BIG WOOD RIVER</u>							
Galena	7300	48	10.1	12/29	8.4	5.5	6.1
Galena Summit	8795	48	5.8	12/29	1.8	1.5	2.0
<u>BOISE RIVER</u>							
Bad Bear	5500	72	6.3	12/29	4.2	2.1*	4.0
Bogus Basin	6120	48	13.1	1/2	5.6	7.7	--
Bogus Basin Road	4830	48	7.1	1/2	4.6	4.8	4.5
Moore's Creek Summit	6100	60	8.8	12/29	7.6	7.4	7.4
*Fall Measurement							

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

Boy Scout Camp (A)	13G2	7600	12/31	20	5.6	--	--
Clear Creek Mdws. (A)	13H2	9050	12/31	21	6.7	--	--
Howell Canyon	13G1	8000	12/29	16	4.5	8.4	8.6*
Summit Springs (A)	12G9	6400	12/31	10	2.8	--	--

GOOSE CREEK

Badger Gulch	14G3	6660	12/28	5	1.7	3.6	--
Bostetter R. S. (A)	14G1	7500	1/1	13	3.8	--	7.5*
Vi Pont (A)	13H3	7670	1/1	13	3.7	--	--

SALMON FALLS CREEK

#Bear Creek (A)	15H1	7800	12/31	26	8.2	--	7.3*
Cedar Creek (A)	14G5	7000	12/31	6	1.8	--	3.2*
Deadline	14G4	6900	12/28	19	5.6	7.3	8.9*
Goat Creek (A)	15H13	8800	12/31	18	5.7	--	6.6*
#Hummingbird Spgs. (A)	15H15	8945	12/31	25	7.9	--	6.8*
Magic Mountain	14G2	6700	12/29	13	4.2	6.1	7.5*
#Pole Creek R. S.	15H14	8330	12/29	24	7.6	9.9	6.5*
Red Point (A)	15H18	7940	12/31	13	4.1	--	--
Wilson Creek (A)	15G2	7500	12/31	8	2.5	--	--

BRUNEAU RIVER

Bear Creek (A)	15H1	7800	12/31	26	8.2	--	7.3*
Hummingbird Spgs. (A)	15H15	8945	12/31	25	7.9	--	6.8*
Pole Creek R. S.	15H14	8330	12/29	24	7.6	9.9	6.5*
#Seventy-six Creek	15H3	7100	12/31	10	3.2	--	--

OWYHEE RIVER

#Bear Creek (A)	15H1	7800	12/31	26	8.2	--	7.3*
#Seventy-six Creek	15H3	7100	12/31	10	3.2	--	--
Silver City	16F3	6400	12/28	14	4.1	5.0	6.6*
South Mountain	16G1	6340	12/27	9	2.2	3.6	4.5*

(b) 1948-62, 15 year period. * Not located directly on this drainage. * Estimated 1948-62, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^b

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	12E3	6800	12/28	23	4.7	3.5	3.7
Kilgore	11E12	6200	12/27	24	5.1	4.0	4.3*

HENRYS FORK RIVER

Big Springs	11E9	6500	12/29	32	5.9	9.4	7.9
Grassy Lake	10E15	7230	12/29	55	12.9	13.0	14.7
Island Park	11E10	6315	12/29	26	4.4	6.4	6.1
Valley View	11E8	6500	12/29	37	8.0	7.6	5.5

TETON RIVER

Darby Canyon (A)	10F21	8250	12/28	36	9.0	5.0	--
Pine Creek Pass	11F2	6750	12/28	24	5.3	5.2	--
State Line	11F1	6400	12/28	22	4.8	6.2	6.1
Teton Pass	10F13	8500	12/28	53	15.3	11.0	14.0

WILLOW CREEK

Bone	11F8	6200	12/27	12	2.1	2.0	--
Ozone	11F4	5800	12/27	8	2.0	0.8	--

SAND CREEK

Henry Creek	11F6	5650	12/27	9	2.3	1.5	--
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BLACKFOOT RIVER

Austin Bros. Ranch	11G3	6450	1/2	19	3.4	--	--
China Hat	11G2	6300	1/2	15	2.5	--	--
Somsen Ranch	11G1	7000	1/2	29	4.8	--	--

PORTNEUF RIVER

Lower Pebble	12G6	5800	12/28	16	3.8	--	--
Pebble Creek	12G2	6550	12/28	17	4.1	--	--

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SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	12/29	8.5	8.1	8.8
Valley View	6500	48	13.3	12/29	4.8	4.4	8.0
<u>TETON RIVER</u>							
Pine Creek Pass	6750	48	13.3	12/28	11.4	5.5	5.6
State Line	6400	48	14.8	12/28	13.5	10.2	12.1
Teton Pass	8500	48	10.5	12/28	9.2	8.7	9.9
<u>PORTNEUF RIVER</u>							
Lower Dempsey	5210	48	18.7	12/28	16.4	16.1*	17.5*
Lower Pebble	5800	36	7.6	12/28	6.2	4.0*	6.4
Pebble Creek	6550	48	7.2	12/28	4.3	3.2*	4.6*
* Fall Measurement							

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^b

GREAT BASINBEAR RIVERMontpelier Creek

Giveout	11G16	6840	12/27	16	2.8	3.7	--
Little Beaver	11G20	6970	12/27	18	3.2	4.7	--
Montpelier Creek	11G18	6570	12/27	14	2.7	3.6	--
Whiskey Flat	11G21	6985	12/27	12	2.0	2.9	--

Mink Creek

#Emigrant Summit	11G6	7350	12/29	32	8.4	7.0	--
Strawberry Creek	11G9	5800	12/28	23	4.7	--	--

Cub River

Willow Flat	11G4	6100	12/29	24	5.1	--	--
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SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>BEAR RIVER</u>							
Emigrant Summit	7350	36	8.2	12/29	2.5	2.5	5.2
Strawberry Creek	5800	48	12.7	12/30	4.6	7.0	7.0
<u>Montpelier Creek</u>							
Giveout Pass	7025	36	9.4	12/27	2.4	2.4	5.1
Jenson Ranch	6580	48	18.7	12/27	5.3	5.6	10.8

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Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Reclamation Engineer
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers
U. S. Department of Agriculture
Forest Service
Agricultural Research Service
U. S. Department of Commerce
Environmental Sciences Service Administration,
Weather Bureau
U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for
snow survey reports. Their cooperation is gratefully acknowledged.*

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